

ART. XIX.—*Catalogue of the Marine Shells of Victoria.*

PART VI.

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[Read 9th October, 1902.]

The present paper refers to one hundred and twelve species, contained in the following families:—Stomatiidae, Haliotidae, Pleurotomariidae, Fissurellidae, Patellidae, Lepidopleuridae, Ischnochitonidae, Mopaliidae, Acanthochitidae, Cryptoplacidae, Chitonidae, Tornatinidae, Scaphandridae, Bullidae, Akeridae, Ringiculidae, Philinidae, Aplysiidae, Pleurobranchidae, Umbrellidae, Siphonariidae, Gadiniidae, and Dentaliidae.

The previous papers, Parts I. to V., dealt with 419 species, so that with the present additions the total number of species now dealt with amounts to 531.

We have omitted from present consideration our representatives of the families Truncatellidae, Auriculidae, and Amphibolidae, as they are not strictly marine forms.

The present part concludes the Gastropoda and Scaphopoda, with the exception of some species which have been obtained and identified subsequent to the publication of the various parts to which they belonged; these will be included in an appendix at the end of the treatment of the Lamellibranchiata.

Subsequent to the reading of our last paper, Professor Tate and Mr. May published a Revised Census of the Marine Mollusca of Tasmania, in which they deal with 679 species, including the Palliobranchiata and brackish water forms. We do not agree with all their conclusions, and will take an opportunity later on of discussing the points on which we differ.

Family STOMATIIDAE.

Genus *Stomatella*, Lamarck, 1809.

STOMATELLA IMBRICATA, Lamarck.

1822. *Stomatella imbricata*, Lamarck. Anim. S. Vert.,
vol. vi., (2), p. 209.

1822. *Stomatia imbricata*, Sowerby. *Genera*, vol. ii., pl. 143, f. 1.
1839. *Stomatella imbricata*, Lamarck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 509, No. 1.
1843. *Stomatella imbricata*, Lamarck. *Id.*, (ed. Deshayes), vol. ix., p. 16, sp. 1.
Stomatella imbricata, Deshayes. *Encycl. Méth.*, vol. iii., p. 984, No. 1., pl. 450, f. 2a, b.
1850. *Stomatella imbricata*, A. Adams. *P.Z.S. Lond.*, p. 30.
1854. *Stomatella imbricata*, Adams and Sowerby. *Thes. Conch.*, vol. ii., pt. 15, p. 833, sp. 1, pl. 174, f. 1.
1867. *Stomatella imbricata*, Angas. *P.Z.S. Lond.*, p. 218, No. 201.
1874. *Stomatella imbricata*, Reeve. *Conch. Icon.*, vol. xix., pl. 2, f. 10.
1875. *Stomatella imbricata*, Woodward. *Man. Moll.*, p. 267, pl. 10, f. 19.
1886. *Stomatella imbricata*, Watson. *Chall. Zool.*, vol. xv., p. 111, No. 1.
1887. *Stomatella imbricata*, Fischer. *Man. de Conch.*, p. 838, pl. 10, f. 19.
1890. *Stomatella imbricata*, Tryon. *Man. Conch.*, vol. xii., p. 9, pl. 52, f. 62, and pl. 51, f. 4, 5.

Hab.—Port Phillip; common along the rocky parts of the western shores of Western Port; Kilcunda to Cape Patterson (W. H. Ferguson).

Genus **Gena**, Gray, 1840.

GENA NIGRA, Quoy and Gaimard.

1834. *Stomatella nigra*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 307, pl. 66 *bis*, f. 10-12.
1839. *Stomatella nigra*, Lamarck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 509, No. 6.
1843. *Stomatella nigra*, Lamarck. *Id.* (ed. Deshayes), vol. ix., p. 18, sp. 6.

1850. *Stomatia* (Gena) *strigosa*, A. Adams. P.Z.S. Lond., p. 37.
1854. *Gena nigra*, Adams and Sowerby. *Thes. Conch.*, vol. ii., pt. 15, p. 829, sp. 4, pl. 173, f. 14-16.
1854. *Gena strigosa*, Adams and Sowerby. *Id.*, p. 830, pl. 173, f. 11, 12.
1867. *Gena strigosa*, Angas. P.Z.S. Lond., p. 218.
1874. *Gena nigra*, Reeve. *Conch. Icon.*, vol. xix., pl. 2, f. 11.
1874. *Gena strigosa*, Reeve. *Id.*, pl. 2, f. 12.
1886. *Stomatella* (Gena) *nigra*, Watson. *Chall. Zool.*, vol. xv., p. 112, No. 3.

Hab.—Western Port.

Family HALIOTIDAE.

Genus *Haliotis*, Linnaeus, 1735.

HALIOTIS ALBICANS, Quoy and Gaimard.

1834. *Haliotis albicans*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 311, pl. 68, f. 1, 2.
1839. *Haliotis albicans*, Lamareck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 514, No. 16.
1846. *Haliotis albicans*, Reeve. *Conch. Icon.*, vol. iii., pl. 10, f. 30.
1882. *Haliotis albicans*, Sowerby. *Thes. Conch.*, vol. v., pt. 37, p. 30, pl. 430, f. 20.
1883. *Haliotis albicans*, Weinkauff. *Conch. Cab.* (ed. Küster), p. 71, pl. 21, f. 6, and pl. 28, f. 2.
1890. *Haliotis albicans*, Pilsbry. *Tryon, Man. Conch.*, vol. xii., p. 78, pl. 5, f. 27.

Hab.—Sorrento, Port Phillip; Port Phillip Heads to West Head; common in Western Port, and along the shores of Phillip Island; Warrnambool; Portland.

HALIOTIS NAEVOSA, Martyn.

1784. *Haliotis naevosa*, Martyn. *Univ. Conch.*, vol. ii., f. 63.

1839. *Haliotis naevosa*, Lamarck. Anim. S. Vert. (3rd ed. Deshayes and Edwards), vol. iii., p. 515, No. 20.
1843. *Haliotis naevosa*, Lamarck. *Id.* (ed. Deshayes), vol. ix., p. 34. No. 20.
1846. *Haliotis naevosa*, Reeve. Conch. Icon., vol. iii., pl. 8, f. 27*a*., and pl. 9, f. 27*b*., and *c*.
1865. *Haliotis naevosa*, Angas. P.Z.S. Lond., p. 183, No. 178.
1867. *Haliotis naevosa*, Angas. *Id.*, p. 218, No. 203.
1882. *Haliotis naevosa*, Sowerby. Thes. Conch., vol. v., pts. 37, 38, p. 31, No. 59, pl. 433 (Genus 6), f. 39, and pl. 437 (Genus 10), f. 73.
1883. *Haliotis naevosa*, Weinkauff. Conch. Cab. (ed. Küster), p. 34, pl. 14, f. 1-3.
1886. *Haliotis naevosa*, Watson. Chall. Zool., vol. xv., p. 49, No. 1.
1890. *Haliotis naevosa*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 116, pl. 11, f. 56, 60.

Hab.—Coast generally.

Obs.—This is our commonest species, and it shows considerable variation, but it is always easily identified. Pilsbry indicates figure 26, plate 5, as this species in addition to the figures on plate 11, but we do not think that this represents our species.

HALIOTIS EMMAE, Reeve.

- Haliotis emmae*, Gray. MSS., Brit. Mus. Cat.
1846. *Haliotis emmae*, Reeve. Conch. Icon., vol. iii., pl. 10, f. 29.
1860. *Haliotis emmae*, Reeve. Elements of Conch., vol. ii., pp. 12, 13, pl. 23, f. 131.
1882. *Haliotis emmae*, Sowerby. Thes. Conch., vol. v., p. 32, pl. 429 (Genus 2), f. 16.
1883. *Haliotis emmae*, Weinkauff. Conch. Cab. (ed. Küster), p. 56, pl. 22, f. 1, 2.
1890. *Haliotis emmae*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 122, pl. 14, f. 75.

Hab.—Port Phillip and Western Port, but much rarer than the preceding species.

Obs.—We do not accept figures 27-29 on plate 49 in the Manual of Conchology as representing this species. Having been asked whether this species was not *H. carinata*, Swainson, we can distinctly state that it is not; the latter name being only a synonym of *H. parva*, Lin., a Cape of Good Hope species.

HALIOTIS EXCAVATA, Lamarck.

1822. *Haliotis excavata*, Lamarck. Anim. S. Vert., vol. vi., p. 215.
Haliotis excavata, Deshayes. Encycl. Méth. Vers, vol. ii., p. 179, No. 4.
 1839. *Haliotis excavata*, Lamarck. Anim. S. Vert. (3rd ed. Deshayes and Edwards), vol. iii., p. 512, No. 4.
 1846. *Haliotis excavata*, Reeve. Conch. Icon., vol. iii., pl. 8, f. 25.
 1882. *Haliotis excavata*, Sowerby. Thes. Conch., vol. v., pl. 3, f. 21, 26.
 1883. *Haliotis excavata*, Weinkauff. Conch. Cab., p. 39, pl. 16, f. 1, 2.
 1890. *Haliotis excavata*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 119, pl. 9, f. 51, and pl. 49, f. 23.

Hab.—Portsea, Port Phillip.

HALIOTIS GRANTI, Pritchard and Gatliff.

1902. *Haliotis granti*, Pritchard and Gatliff. P.R.S. Vic., vol. xiv., n.s., pt. 2, p. 183, pl. 10, 3 figures.

Hab.—Shoreham, Western Port.

Obs.—This species has been collected by Mr. E. Ashby, at Cape Northumberland, in South Australia. It is closely allied to *H. naevosa*, Martyn, but may be distinguished from it by being proportionately broader, by its more elevated and terraced spire whorls and their more circular enrolment, and by the coarse development and strong tubiform projection of the perforations.

Family PLEUROTOMARIIDÆ.

Genus **Scissurella**, d'Orbigny, 1823.

SCISSURELLA OBLIQUA, Watson.

1886. *Scissurella obliqua*, Watson. Chall. Zool., vol. xv., p. 116, pl. 8, f. 5.

1890. *Scissurella obliqua*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 58.

Hab.—Ocean Beach, Flinders ; Ocean Beach, Point Nepean ; San Remo.

Obs.—Pilsbry in Tryon refers to plate 58, figures 20 and 21, for this species, but it is not there, that plate being wholly occupied by Fissurellidæ. It seems probable that plate 65, figures 20 and 21, are copied from the Challenger Report, but unfortunately there is no explanation of this plate in Tryon's volume xii., as the references cease with plate 64.

Genus **Schismope**, Jeffreys, 1856.

SCHISMOPE ATKINSONI, T. Woods.

1877. *Scissurella atkinsoni*, T. Woods. P.R.S. Tas., pp. 149, 150.

1878. *Schismope atkinsoni*, T. Woods. *Id.*, p. 43.

1886. *Schismope carinata*, Watson. Chall. Zool., vol. xv., p. 119, pl. 8, f. 6.

1890. *Schismope atkinsoni*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 66.

1890. *Schismope carinata*, Pilsbry. Tryon, *Id.*, p. 65., pl. 65, f. 17-19.

Hab.—Flinders, and dredged off Rhyll, Western Port ; Cape Schanck ; Puebla Coast.

SCHISMOPE BEDDOMEI, Petterd.

1884. *Schismope beddomei*, Petterd. Jour. of Conch., vol. iv., p. 139, No. 16.

1890. *Schismope beddomei*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 67.

Hab.—Flinders, Western Port.

SCHISMOPE PULCHRA, Petterd.

1884. *Schismope pulchra*, Petterd. *Jour. of Conch.*, vol. iv., p. 139, No. 17.

1890. *Schismope pulchra*, Pilsbry. *Tryon, Man. Conch.*, vol. xii., p. 68.

Hab.—Off Rhyl, Western Port.

Family FISSURELLIDAE.

Genus *Fissurella*, Bruguière, 1789.

FISSURELLA OMICRON, Crosse and Fischer.

1864. *Fissurella omicron*, Crosse and Fischer. *Jour. d. Conch.*, p. 348.

1865. *Fissurella omicron*, Crosse and Fischer. *Id.*, p. 41, pl. 3, f. 4-6.

1890. *Fissurella omicron*, Pilsbry. *Tryon, Man. Conch.*, vol. xii., p. 174, pl. 22, f. 45-47.

Hab.—Portsea, Port Phillip; Cowes, Phillip Island, Western Port.

Genus *Megatebennus*, Pilsbry, 1890.

MEGATEBENNUS CONCATENATA, Crosse and Fischer.

1864. *Fissurella concatenata*, Crosse and Fischer. *Jour. d. Conch.*, p. 348, pl. 3, f. 4-6.

1865. *Fissurella concatenata*, Crosse and Fischer. *Id.*, p. 41, pl. 3, f. 1-3.

1882. *Fissurellidæa concatenata*, Tate. *T.R.S. S.A.*, vol. v., p. 46.

1890. *Megatebennus concatenata*, Pilsbry. *Tryon, Man. Conch.*, vol. xii., p. 187, pl. 22, f. 40-42.

1893. *Fissurellidæa concatenata*, Adcock. *Hand List Aq. Moll. S.A.*, p. 9, No. 382.

Hab.—Port Phillip, relatively uncommon; Western Port, fairly common under rocks at low tide; Anderson's Inlet and Kilcunda (W. H. Ferguson).

MEGATEBENNUS TRAPEZINA, Sowerby.

1834. *Fissurella trapezina*, Sowerby. *P.Z.S. Lond.*, p. 126.

- Fissurella scutella, Gray. B.M. Cat., Fissurella, No. 42.
1841. Fissurella scutellum, Sowerby. Conch. Ill., p. 5, No. 42, pl. 73, f. 34.
1849. Fissurella scutella, Reeve. Conch. Icon., vol. vi., pl. 6, f. 33.
1866. Fissurellidaea scutella, Sowerby. Thes. Conch., vol. iii., p. 203, pl. 244 (Genus, pl. 9), f. 207.
1878. Fissurella scutella, T. Woods. P.R.S. Tas., p. 44.
1890. Megatebennus trapezina, Pilsbry. Tryon, Man. Conch., vol. xii., p. 188, pl. 62, f. 10-12.
1893. Fissurellidaea scutella, Adcock. Hand List Aq. Moll. S.A., p. 9, No. 381.
1901. Fissurella (Megatebennus) scutella, Tate and May. P.L.S. N.S.W., vol. xxvi., pt. 3, p. 408.

Hab.—Common Western Port; Sorrento to Portsea, Port Phillip; Kilcunda and Anderson's Inlet (W. H. Ferguson).

Genus **Lucapinella**, Pilsbry, 1890.

LUCAPINELLA NIGRITA, Sowerby.

1834. Fissurella nigrata, Sowerby. P.Z.S. Lond., p. 127.
1841. Fissurella nigrata, Sowerby. Conch. Ill., p. 6, No. 51, f. 47.
1849. Fissurella nigrata, Reeve. Conch. Icon., vol. vi., pl. 6, f. 41.
1866. Fissurellidea nigrata, Sowerby. Thes. Conch., vol. iii., p. 203, No. 7, pl. 243 (Genus, pl. 8), f. 196.
1878. Fissurella nigrata, T. Woods. P.R.S. Tas., p. 44.
1890. Megatebennus nigrata, Pilsbry. Tryon, Man. Conch., vol. xii., p. 187, pl. 44, f. 97, 98.
1893. Fissurella nigrata, Adcock. Hand List Aq. Moll. S.A., p. 9, No. 380.
1895. Lucapinella nigrata, Hedley. P.R.S. Vic., vol. vii., n.s., pp. 197, 198, pl. 11, f. 1, 2, from living specimen.
1897. Fissurella nigrata, Tate. T.R.S. S.A., vol. xxi., p. 43.

Hab.—Anderson's Inlet and Kilcunda (W. H. Ferguson), Shoreham, West Head, Flinders, Western Port.

LUCAPINELLA PRITCHARDI, Hedley.

1895. *Lucapinella pritchardi*, Hedley. P.R.S. Vic., vol. vii., n.s., pp. 198, 199, pl. 11, f. 3-7, shell, animal and radula.

Hab.—Port Phillip; Western Port, alive under rocks at extreme low tide; Kilcunda and Anderson's Inlet (W. H. Ferguson).

Obs.—Professor Tate states, in a paper entitled "Critical Remarks on some Australian Mollusca," in the Transactions of the Royal Society of South Australia, 1897, Vol. XXI., p. 43, that he regards this species as synonymic with *F. nigrita*, an opinion with which we cannot agree, for Hedley's shell is consistently more elongate, apart from other distinctive features. In the recent "Revised Census of the Marine Mollusca of Tasmania," by Tate and May, 1901, the above is, however, not included as a synonym of *F. nigrita*.

Mr. Hedley, in the course of correspondence, has stated that he thinks this species may be *F. oblonga*, Menke, Moll. Nov. Holl., p. 33, No. 181; but, on the other hand, in Professor Tate's paper in the Linnaean Society of New South Wales, Vol. VI., p. 401, on Menke's Australian Shells, that author republishes Menke's original description and appends a note that *F. oblonga* is probably *F. scutella*, Gray.

Genus *Macrochisma*, Swainson, 1840.

MACROCHISMA TASMANIAE, Sowerby.

1841. *Fissurella macroschisma*, Sowerby. Conch. Ill., p. 5, No. 45, pl. 73, f. 39, 39*.

1850. *Fissurella macroschisma*, Sowerby. P.Z.S. Lond., p. 202.

1866. *Macrochisma tasmaniae*, Sowerby. Thes. Conch., vol. iii., p. 206, pl. 244 (Genus, pl. 9), f. 223.

1876. *Macroschisma tasmanica*, T. Woods. P.R.S. Tas., p. 157.

1877. *Macroschisma weldii*, T. Woods. P.R.S. Tas., p. 156.

1890. *Macroschisma tasmaniae*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 191, pl. 59, f. 52, 53, 54.

1890. *Macrochisma weldii*, Pilsbry. Tryon, *Id.*, pl. 59, f. 33, 34, 35.

Hab.—Portsea, Port Phillip; Flinders to Balnarring, San Remo, Western Port; Geelong (Nat. Mus.); Kilcunda and Anderson's Inlet (W. H. Ferguson).

MACROCHISMA PRODUCTA, A. Adams.

1850. *Macrochisma producta*, A. Adams. P.Z.S. Lond., p. 202.
 1865. *Macrochisma producta*, Angas. P.Z.S. Lond., p. 185.
 1866. *Macrochisma producta*, Sowerby. Thes. Conch., vol. iii., p. 205, No. 5, pl. 244 (Genus, pl. 9), f. 224.
 1890. *Macrochisma producta*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 194, pl. 59, f. 62.

Hab.—Front beach Sorrento, Port Phillip; Flinders, Western Port.

Genus Fissuridea, Swainson, 1840.

FISSURIDEA LINEATA, Sowerby.

1841. *Fissurella lineata*, Sowerby. Conch. Ill., p. 7, pl. 78, f. 68.
 1850. *Fissurella incii*, Reeve. Conch. Icon., vol. vi., pl. 10, f. 69a, b.
 1866. *Fissurella lineata*, Sowerby. Thes. Conch., vol. iii., p. 195, No. 80, pl. 241, f. 134, 135.
 1890. *Glyphis lineata*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 219, pl. 63, f. 29, 30, and pl. 38, f. 63, 64.
 1900. *Fissuridea lineata*, Hedley. P.L.S. N.S.W., vol. xxv., pt. 1, p. 95, pl. 3, f. 11.

Hab.—Sandringham, Mornington, and Sorrento, Port Phillip; Kilcunda, Cape Patterson (W. H. Ferguson).

Obs.—This species used to be set out in the National Museum, Melbourne, as *Fissurella McCoyi*, T. Woods, type from Brighton, but, as is the case with some others of his species, we have been unable to find any published figure or description.

Genus **Puncturella**, Lowe, 1827.

PUNCTURELLA HARRISSONI, Beddome.

- 1883. *Cemori harrissoni*, Beddome. P.R.S. Tas., p. 168, No. 11.
- 1890. *Puncturella harrissoni*. Pilsbry. Tryon, Man. Conch., vol. xii., p. 294.
- 1894. *Puncturella henniana*, Brazier. P.L.S. N.S.W., vol. ix., 2nd series, p. 177, pl. 14, f. 14.
- 1894. *Puncturella harrissoni*, Brazier. *Id.*, p. 699, No. 11.

Hab.—Flinders, and dredged off Rhyll, Western Port.

Obs.—Brazier himself admits after examining Mr. Beddome's types that his species is identical.

Genus **Emarginula**, Lamarek, 1801.

EMARGINULA CANDIDA, A. Adams.

- 1851. *Emarginula candida*, A. Adams. P.Z.S. Lond., p. 85, No. 30.
- 1863. *Emarginula candida*, Sowerby. Thes. Conch., vol. iii., p. 213, pl. 11, f. 45, 46.
- 1873. *Emarginula candida*, Reeve. Conch. Icon., vol. xix., pl. 7, f. 45.
- 1890. *Emarginula candida*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 258, pl. 28, f. 36.

Hab.—Fairly common in Port Phillip and Western Port; Anderson's Inlet and Kilcunda (W. H. Ferguson); Cape Otway; Warrnambool; Portland.

Obs.—*Emarginula tenuicostata*, Sowerby, in *Thesaurus Conchyliorum*, p. 215, figures 17 and 18, habitat unknown, appears to us as likely to represent a form of the above species.

EMARGINULA DILECTA, A. Adams.

- 1851. *Emarginula dilecta*, A. Adams. P.Z.S. Lond., p. 85, No. 28.
- 1863. *Emarginula dilecta*. Sowerby. Thes. Conch., vol. iii., p. 211, pl. 11, f. 5.
- 1874. *Emarginula dilecta*, Reeve. Conch. Icon., vol. xix., pl. 4, f. 23.

1890. *Emarginula dilecta*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 265, pl. 28, f. 17.

Hab.—Port Phillip; Western Port; Puebla Coast; Anderson's Inlet (W. H. Ferguson).

Genus *Subemarginula*, Blainville, 1825.

SUBEMARGINULA EMARGINATA, Blainville.

1825. *Emarginula emarginata*, Blainville. Malac, p. 501, pl. 48 bis., f. 3.
1834. *Emarginula australis*, Quoy and Gaimard. Astrolabe Zool., vol. iii., p. 328, pl. 68, f. 11-12.
1839. *Emarginula emarginata*, Lamarck. Anim. S. Vert. (3rd ed. Deshayes and Edwards), vol. iii., p. 215.
1863. *Emarginula australis*, Sowerby. Thes. Conch., vol. iii., p. 217, pl. 247, f. 67, and pl. 248, f. 94.
1873. *Emarginula australis*, Reeve. Conch. Icon. vol. xix., pl. 3, f. 19.
1890. *Subemarginula emarginata*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 276, pl. 64, f. 23-26.
1890. *Subemarginula australis*, Pilsbry. *Id.*, p. 278, pl. 29, f. 1-3.

Hab.—Western Port; Kilcunda and Anderson's Inlet (W. H. Ferguson); Portland.

Obs.—We think it likely that *E. tasmaniae*, Sowerby, and *E. cumingii*, Sowerby, should be included as synonyms of the above species on account of the great amount of variation it usually exhibits. It may be noted that figure 3 in Tryon is duplicated on plate 64; in the explanation of the plate the figure of this shell is referred to as 23, and again in the text as figure 3.

SUBEMARGINULA RUGOSA, Quoy and Gaimard.

1834. *Emarginula rugosa*, Quoy and Gaimard. Astrolabe Zool., vol. iii., p. 331, pl. 68, f. 17-18.
1836. *Emarginula rugosa*, Lamarck. Anim. S. Vert. (ed. Desh.), vol. vii., p. 585, No. 7.

- 1837. *Hemitoma rugosa*, Angas. P.Z.S. Lond., p. 219.
- 1839. *Emarginula rugosa*, Lamarck. Anim. S. Vert.
(3rd ed. Deshayes and Edwards), vol. iii., p.
215, No. 7.
- 1842. *Emarginula conoidea*, Reeve. Conch. Syst., vol.
ii., p. 23, pl. 140, f. 7.
- 1851. *Clypidina candida*, A. Adams. P.Z.S. Lond., No.
11, p. 88.
- 1863. *Emarginula rugosa*, Sowerby. Thes. Conch., vol.
iii., p. 58, pl. 248, f. 92, 93 and 95-97, 100-
102.
- 1874. *Emarginula rugosa*, Reeve. Conch. Icon., vol.
xix., pl. 1, f. 1.
- 1875. *Emarginula* (*Hemitoma*) *rugosa*, Woodward.
Man. Moll., p. 274, pl. 11, f. 7, 8.
- 1886. *Emarginula* (*Hemitoma*) *rugosa*, Watson. Chall.
Zool., vol. xv., p. 35.
- 1887. *Emarginula* (*Subemarginula*) *rugosa*, Fischer.
Man. Conch., p. 860, pl. 11, f. 7, 8.
- 1890. *Subemarginula* (*Clypidina*) *rugosa*, Pilsbry. Tryon,
Man. Conch., vol. xii., p. 278, pl. 64, f. 39-41,
and pl. 29, f. 10, 11.

Hab.—Anderson's Inlet and Kilcunda (W. H. Ferguson);
Western Port; Port Phillip; Puebla Coast; Airey's Inlet;
Cape Otway; Warrnambool; Portland.

Genus *Scutus*, Montfort, 1810.

SCUTUS ANATINUS, Donovan.

- 1817. *Parmophorus elongatus*, de Blainville (non
Lamarck). Bull. Soc. Philom., Paris, p. 25.
- 1820. *Patella anatina*, Donovan. In Rees' Encycl., vol.
v., Nat. Hist. plates, Conchology, pl. 16.
Parmophorus elongatus, de Blainville. Dict. Sc.
Nat., vol. xxxvii., p. 557.
- (?) 1825. *Parmophorus elongatus*, de Blainville. Malac.,
pl. 48, f. 2, 2a.
- 1822. *Parmophorus australis*, Lamarck. Anim. S. Vert.,
1st ed., vol. vi., pt. 2., p. 5.

1834. *Parmophorus australis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 321, pl. 69, f. 1-4.
1834. *Parmophorus convexus*, Quoy and Gaimard. *Id.*, p. 322, pl. 69, f. 5-16.
1836. *Parmophorus australis*, Lamarck. *Anim. S. Vert.*, 2nd ed., vol. vii., p. 579.
1839. *Parmophorus australis*, Lamarck. *Id.* (3rd ed. Deshayes and Edwards), vol. iii., p. 213, No. 1.
1842. *Parmophorus australis*, Reeve. *Conch. Syst.*, vol. ii., pl. 139, f. 2, 3.
1851. *Scutus unguis*, A. Adams (non Linn.). *P.Z.S. Lond.*, p. 221.
1860. *Parmophorus australis*, Chenu. *Man. Conch.*, vol. i., p. 373, f. 2801.
1860. *Parmophorus australis*, Reeve. *Elements of Conch.*, vol. ii., p. 28, pl. M., f. 2.
1863. *Scutus elongatus*, Adams and Sowerby. *Thes. Conch.*, vol. iii., pt. 22, pl. 248, f. 1, 2.
1867. *Scutus elongatus*, Angas. *P.Z.S. Lond.*, p. 219, No. 212.
1868. *Parmophorus australis*, Hogg. *Trans. Micro. Soc. Lond.*, vol. xvi., pl. 12, f. 57 (the dentition).
1870. *Scutus elongatus*, Reeve. *Conch. Icon.*, vol. xvii., pl. 1, f. 1a, 1b.
1875. *Parmophorus australis*, Woodward. *Man. Moll.*, p. 274, pl. 11, f. 9.
1879. *Scutus anatinus*, E. A. Smith. *Jour. Conch.*, vol. ii., Aug., p. 257.
1883. *Parmophorus australis*, Tryon. *Struct. and Syst. Conch.*, vol. ii., p. 329, pl. 83, f. 21.
1886. *Emarginula (Scutus) anatinus*, Watson. *Chall. Zool.*, vol. xv., pp. 35, 36, No. 3.
1887. *Scutum australe*, Fischer. *Man. de Conch.*, p. 861, f. 606, and pl. 11, f. 9.
1890. *Scutus anatinus*, Pilsbry in Tryon. *Man. Conch.*, vol. xii., p. 288, pl. 40, f. 1, 2, 3.

Hab.—Back Beach, Sorrento, to Cape Schanck and Flinders. Common under rocks at low tide Western Port, in all stages of

growth from less than a quarter of an inch in length up to $4\frac{1}{2}$ inches in length. Kilcunda and Anderson's Inlet (W. H. Ferguson); Port Phillip.

Genus *Tugalia*, Gray, 1844.

TUGALIA PARMOPHOIDEA, Quoy and Gaimard.

1834. *Emarginula parmophoidea*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 325, pl. 68, f. 15, 16.
1836. *Emarginula parmophoidea*, Lamareck. *Anim. S. Vert.* (2nd ed. Desh.), vol. vii., p. 583, sp. 3.
1839. *Emarginula parmophoidea*, Lamareck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 215, No. 3.
1842. *Parmophorus intermedius*, Reeve. *P.Z.S. Lond.*, p. 50.
1842. *Parmophorus intermedius*, Reeve. *Conch. Syst.*, vol. ii., pl. 139, f. 5, 6.
1843. *Tugalia elegans*, Gray. *Dieffenbach's N.Z.*, vol. ii., p. 240.
1851. *Tugali parmophoroidea*, A. Adams. *P.Z.S. Lond.*, p. 89, No. 5.
1851. *Tugali intermedia*, A. Adams. *Id.*, p. 88, No. 2.
1863. *Tugalia parmophoroidea*, Sowerby. *Thes. Conch.*, vol. iii., pt. 22, p. 221, sp. 1, pl. 248, or Gen. 15, f. 5, 11, 16.
1863. *Tugalia ossea*, Adams and Sowerby (non Gould). *Thes. Conch.*, vol. iii., p. 221, pl. 249, f. 18.
1863. *Tugalia cinerea*, Adams and Sowerby (non Gould). *Id.*, p. 221, pl. 249, f. 15, 17.
1865. *Tugalia parmophoroidea*, Angas. *P.Z.S. Lond.*, p. 185, No. 194.
1870. *Tugalia parmophoroidea*, Reeve. *Conch. Icon.*, pl. 1, f. 4 *a*, *b*.
1873. *Tugalia parmaphoroides*, Hutton. *Cat. N.Z. Moll.*, p. 43, No. 194.
1873. *Emarginula* (*Tugalia*) *parmaphoroides*, von Martens. *Crit. List N.Z. Moll.*, p. 35.

1877. *Tugalia tasmanica*, T. Woods. P.R.S. Tas., p. 156.
 1878. *Tugalia australis*, T. Woods. *Id.*, p. 44.
 1880. *Tugalia parmophoidea*, Hutton. Man. N.Z. Moll., p. 106.
 1883. *Tugalia intermedia*, Brazier. P.L.S. N.S.W., vol. viii., p. 227.
 1886. *Emarginula* (*Tugalia*) *parmophoidea*, Watson. Chall. Zool., vol. xv., p. 35, No. 1.
 1890. *Subemarginula* (*Tugalia*) *parmophoidea*, Pilsbry. Tryon, Man. Conch., vol. xii., p. 285, pl. 43, f. 78-80.
 1890. *Subemarginula* (*Tugalia*) *intermedia*, Pilsby. *Id.*, f. 83, 84.

Hab.—Western Port; Anderson's Inlet (W. H. Ferguson); Port Phillip.

Family PATELLIDAE.

Genus *Patella*, Linnaeus, 1757.

PATELLA TRAMOSERICA, Martyn.

1784. *Patella tramoserica*, Martyn. Univ. Conch., vol. i., pl. 16.
 1795. *Patella tramoserica*, Chemnitz. Conch. Cab., vol. xi., p. 179, p. 197, f. 1912, 1913.
 1836. *Patella tramoserica*, Lamarck. Anim. S. Vert. (2nd ed. Desh.), vol. vii., p. 542, sp. 47.
 1839. *Patella tramoserica*, Lamarck. *Id.* (3rd ed. Deshayes and Edwards), vol. iii., p. 199, No. 47.
 1848. *Patella diemenensis*, Philippi. Zeit., f. Malak., p. 162.
 1852. *Patella tramoserica*, Gould. U.S. Expl. Exped., vol. xii., Mollusca, p. 343.
 1854. *Patella tramoserica*, Reeve. Conch. Icon., vol. viii., pl. 13, f. 27a.
 1854. *Patella variegata*, Reeve. *Id.*, pl. 16, f. 36a, b, c.
 1867. *Patella tramoserica*, Angas. P.Z.S. Lond., p. 221, No. 222.
 1873. *Patella tramoserica*, Hutton. Cat. N.Z. Moll., p. 44, No. 202.

1878. *Patella tramoserica*, T. Woods. P.R.S. Tas., p. 45.
1879. *Patella tramoserica*, T. Woods. P.R.S. Tas., p. 45.
1880. *Patella tramoserica*, Hutton. Man. N.Z. Moll., p. 109.
1884. *Patella tramoserica*, Hutton. P.L.S. N.S.W., vol. ix., p. 377.
1886. *Patella tramoserica*, Watson. Chall. Zool., vol. xv., pp. 27, 28.
1891. *Helcioniscus tramoserica*, Pilsbry in Tryon. Man. Conch., vol. xiii., p. 142, pl. 70, f. 49-52.
1891. *Helcioniscus melanostomus*, Pilsbry. *Id.*, p. 151, pl. 32, f. 67-69.
1891. *Patella diemensis*, Pilsbry. *Id.*, p. 155.
1893. *Helcioniscus tramoserica*, Brazier. P.L.S. N.S.W., vol. viii., 2nd ser., pt. 1, p. 119.

Hab.—A very common species on the rocks at all parts of our coast.

Obs.—This common form, though showing considerable variation in height, colour, and outline, is, nevertheless, easy of identification. The figures quoted by Reeve, viz., f. 27, *a*, *b*, *c*, we cannot agree with, being only able to accept f. 27*a* as representing this species. Mr. Brazier in his paper to the Linnaean Society of New South Wales, pp. 119, 120, discusses the various erroneous localities given by various authors for this species, and also discusses the probability of *P. antipodum*, E. A. Smith, being identical.

PATELLA LIMBATA, Philippi.

1849. *Patella limbata*, Philippi. Abbild. und Besch. Conch., vol. iii., p. 71, pl. 3, f. 2.
1854. *Patella limbata*, Reeve. Conch. Icon., vol. viii., pl. 13, f. 29*a*, 29*b*.
1865. *Patella limbata*, Angas. P.Z.S. Lond., p. 185.
1876. *Patella limbata*, T. Woods. P.R.S. Tas., p. 48.
1878. *Patella limbata*, T. Woods. *Id.*, p. 45.
1891. *Helcioniscus limbata*, Pilsbry in Tryon. Man. Conch., vol. xiii., p. 143, pl. 71, f. 53-56, and pl. 17, f. 28, 29.

Hab.—Cape Otway (G.B.P.).

PATELLA USTULATA, Reeve.

1855. *Patella ustulata*, Reeve. *Conch. Icon.*, vol. viii.,
pl. 31, f. 88*a*, *b*.
1876. *Patella tasmanica*, T. Woods. *P.R.S. Tas.*, p. 157.
1877. *Patella ustulata*, T. Woods. *Id.*, p. 43.
1878. *Patella ustulata*, T. Woods. *Id.*, p. 45.
1878. *Patella tasmanica*, T. Woods. *Id.*, p. 45.
1891. *Patella* (*Scutellastra*) *ustulata*, Pilsbry in Tryon.
Man. Conch., vol. xiii., p. 101, pl. 22, f. 11,
12.

Hab.—Coast near Gellibrand River; Otway Coast; Back Beach, Sorrento; Kilcunda and Anderson's Inlet (W. H. Ferguson); Western Port; Port Phillip.

PATELLA ACULEATA, Reeve.

1855. *Patella aculeata*, Reeve. *Conch. Icon.*, vol. viii.,
pl. 32, f. 90.
1855. *Patella squamifera*, Reeve. *Id.*, pl. 32, f. 94.
1867. *Patella aculeata*, Angas. *P.Z.S. Lond.*, p. 221,
No. 224.
1867. *Patella squamifera*, Angas. *P.Z.S. Lond.*, p. 221,
No. 225.
1878. *Patella aculeata*, T. Woods. *P.R.S. Tas.*, p. 45.
1883. *Patella aculeata*, Brazier. *P.L.S. N.S.W.*, vol.
viii., p. 224.
1891. *Patella* (*Scutellastra*) *aculeata*, Pilsbry in Tryon.
Man. Conch., vol. xiii., p. 100, pl. 25, f. 20,
21, and pl. 62, f. 71-73.

Hab.—Otway Coast; Apollo Bay; Western Port; Anderson's Inlet (W. H. Ferguson); Back Beach, Sorrento.

PATELLA CHAPMANI, T. Woods.

1876. *Patella chapmani*, T. Woods. *P.R.S. Tas.*, p. 157.
1877. *Acmaea alba*, T. Woods. *Id.*, pp. 155, 156.
1891. *Patella chapmani*, Pilsbry in Tryon. *Man. Conch.*,
vol. xiii., p. 101.
1891. *Acmaea alba*, Pilsbry. *Id.*, p. 54, pl. 42, f. 76-78.

Hab.—Flinders, San Remo, Western Port; Portsea, Port Phillip.

Obs.—Our commonest form is that described by T. Woods under the name of *Acmaea alba*, but we have been unable to distinguish this from *Patella chapmani*, except that the latter shows a more striking development of the radial ribs, which project over the margin and give the shell a more stellate appearance, but with a good series of specimens there can be no doubt about their connection.

PATELLA HEPATICA, Pritchard and Gatliff, nom. mut.

1891. *Acmaea striata*, Pilsbry (non Quoy and Gaimard).
Man. Conch., vol. xiii., p. 47, pl. 35, f. 27, 28,
 29.

Hab.—Back Beach, Sorrento; Western Port, Flinders and San Remo; Anderson's Inlet and Kilcunda (W. H. Ferguson); Apollo Bay.

Obs.—The shell as figured by Pilsbry agrees well with our species, but we have been unable to see its identity with *Acmaea striata*, Quoy and Gaimard, and we have not been able to make out any other identification, so that it appeared to us necessary to treat it in the above manner.

PATELLA PERPLEXA, Pilsbry.

1891. *Acmaea saccharina*, var. *perplexa*, Pilsbry, Tryon.
Man. Conch., vol. xiii., p. 50, pl. 36, f. 69-71.

Hab.—Port Phillip.

Obs.—Our specimens agree well with Pilsbry's figure and description and indicates a well-marked stellate form. There has been some confusion of this form with *P. saccharina*, Lin., and *P. stellaris*, Quoy and Gaimard, which we regard as quite distinct from the above.

Family ACMAEIDAE,

Genus *Acmaea*, Eschscholtz, 1828.

ACMAEA COSTATA, Sowerby.

1839. *Lottia costata*, Sowerby. Beechey's voy., Zool.,
 p. 147, pl. 39, f. 2.

1865. *Patella alticostata*, Angas. P.Z.S. Lond., p. 56,
 pl. 2. f. 11.

- 1867. *Patella costata*, Angas. P.Z.S. Lond., p. 221.
- 1877. *Acmaea costata*, T. Woods. P.R.S. Tas., p. 50.
- 1878. *Acmaea costata*, T. Woods. *Id.*, p. 44, 45.
- 1891. *Acmaea costata*, Pilsbry. Tryon, Man. Conch.,
vol. xiii., p. 51, pl. 36, f. 72-77.

Hab.—A very common species along our coast generally, usually the largest form of the genus obtained.

ACMAEA CONOIDEA, Quoy and Gaimard.

- 1834. *Patelloida conoidea*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 355, pl. 71, f. 5, 7.
- 1839. *Patelloida conoidea*, Lamarck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 203, No. 9.
- 1865. *Acmaea conoidea*, Angas. P.Z.S. Lond., p. 186.
- 1891. *Acmaea conoidea*, Pilsbry. Tryon, Man. Conch.,
vol. xiii., p. 53, pl. 37, f. 84, 85.

Hab.—Barwon Heads ; Port Phillip ; Cape Otway.

Obs.—The above references might at first sight appear very meagre, but we have purposely omitted a large number on account of erroneous identifications. The above should serve to enable this species to be clearly identified.

ACMAEA SEPTIFORMIS, Quoy and Gaimard.

- 1834. *Patelloida septiformis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 362, pl. 71, f. 43, 44.
- 1839. *Patelloida septiformis*, Lamarck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 202.
- 1855. *Patella cantharus*, Reeve. *Conch. Icon.*, vol. viii.,
pl. 40, f. 131.
- 1865. *Acmaea scabrilirata*, Angas. P.Z.S. Lond., p. 154, and p. 186, No. 201.
- 1867. *Tectura septiformis*, Angas. P.Z.S. Lond., p. 220, No. 219.
- 1877. *Acmaea septiformis*, T. Woods. P.R.S. Tas., p. 50.
- 1877. *Acmaea petterdi*, T. Woods. *Id.*, p. 155.
- 1891. *Acmaea petterdi*, Pilsbry. Tryon, Man. Conch.,
vol. xiii., p. 54.

1891. *Acmaea septiformis*, Pilsbry. *Id.*, p. 55, pl. 37, f. 93, 94.

1891. *Acmaea cantharus*, Pilsbry. *Id.*, p. 55, pl. 37. f. 1, 2.

1891. *Acmaea scabrilirata*, Pilsbry. *Id.*, p. 56.

Hab.—Coast generally.

ACMAEA FLAMMEA, Quoy and Gaimard.

1834. *Patelloida flammea*, Quoy and Gaimard. *Astrolabe Zool.*, vol. iii., p. 354, pl. 71, f. 15, 16.

1839. *Patelloida flammea*, Lamarck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 203.

1855. *Patella mixta*, Reeve. *Conch. Icon.*, vol. viii., pl. 39, f. 129*a*, 129*b*.

1855. *Patella jacksoniensis*, Reeve (non Lesson). *Id.*, pl. 39, f. 127*a*, 127*b*.

1865. *Acmaea subundulata*, Angas. *P.Z.S. Lond.*, p. 155, and p. 186, No. 202.

1867. *Tectura subundulata*, Angas. *Id.*, p. 220, No. 218.

1867. *Tectura jacksoniensis*, Angas. *Id.*, p. 220.

1877. *Acmaea crucis*, T. Woods. *P.R.S. Tas.*, p. 52.

1878. *Acmaea crucis*, T. Woods. *Id.*, p. 53.

1891. *Acmaea flammea*, Pilsbry. *Tryon, Man. Conch.*, vol. xiii., p. 57, pl. 37, f. 78-83.

1891. *Acmaea jacksoniensis*, Pilsbry. *Id.*, p. 58, pl. 42, f. 71-75.

1891. *Acmaea jacksoniensis*, var. *mixta*, Pilsbry. *Id.*, p. 58, pl. 35, f. 32, 33.

1891. *Acmaea crucis*, Pilsbry. *Id.*, p. 58, pl. 37, f. 12, 13, and 17-19.

Hab.—Sandringham, Port Phillip; Western Port; Cape Otway.

Obs.—This species has apparently been made out to be *Acmaea cruciata*, Lin., by Professor Tate and Mr. May, but upon what basis we do not know. Pilsbry says of *Patella cruciata*, Lin., that it is a brown shell with a white cross, and he figures a shell of this character, but there is also a remark apparently to be

attributed to Hanley, that when the shell is worn it is white with a brown cross. We are unable to reconcile these remarks and fail to see that such changes would take place. Our shell is white, with usually a well-marked brown cross, and wear, if anything, only tends to intensify the contrast. Perhaps it is synonymy or supposed synonymy that is responsible for the identification of *A. cruciata*, for Pilsbry says that *Patella insignis*, Menke, is probably only a synonym of that species. Menke, however, was not of that opinion, for he distinctly notes the affinity of his species to the Linnaean neglected species *P. cruciata*. Whether Menke's species may or may not come in as a synonym of *A. flammea*, Quoy and Gaimard is not quite certain, but we think it not unlikely.

ACMAEA CALAMUS, Crosse and Fischer.

1864. *Patella calamus*, Crosse and Fischer. *Jour. d. Conch.*, p. 348.

1865. *Patella calamus*, Crosse and Fischer. *Id.*, p. 42, pl. 3, f. 7, 8.

1865. *Acmaea calamus*, Angas. *P.Z.S. Lond.*, p. 186.

1891. *Acmaea calamus*, Pilsbry. Tryon, *Man. Conch.*, vol. xiii., p. 54, pl. 37, f. 3, 4.

Hab.—Port Phillip; Western Port.

ACMAEA GEALEI, Angas.

1865. *Patella gealei*, Angas. *P.Z.S. Lond.*, p. 57, and p. 186, No. 198.

1865. *Patella latistrigata*, Angas. *Id.*, p. 154, and 186, No. 196a.

1876. *Acmaea marmorata*, T. Woods. *P.R.S. Tas.*, pp. 156, 157.

1877. *Acmaea marmorata*, T. Woods. *Id.*, p. 53.

1891. *Acamea marmorata*, Pilsbry. Tryon, *Man. Conch.*, vol. xiii., p. 52, pl. 42, f. 66-70.

Hab.—Sandringham, Sorrento, Portsea, Port Phillip; Back Beach, Sorrento, and Cape Schanck; Cape Otway; Kilcunda to Cape Patterson (W. H. Ferguson).

Obs.—We have to thank Mr. E. Ashby for assistance in the loan of South Australian specimens of Angas' species, which have enabled us to arrive at the above conclusion.

Order POLYPLACOPHORA.

Family LEPIDOPLEURIDAE.

Genus **Lepidopleurus**, Risso, 1826.

LEPIDOPLEURUS INQUINATUS, Reeve.

- 1847. *Chiton inquinatus*, Reeve. *Conch. Icon.*, vol. iv.,
pl. 23, f. 154.
- 1864. *Lepidopleurus liratus*, Adams and Angas. *P.Z.S.*
Lond., p. 192.
- 1892. *Ischnochiton inquinatus*, Pilsbry. *Tryon, Man.*
Conch., vol. xiv., p. 90, pl. 18, f. 49, 50.
- 1893. *Lepidopleurus liratus*, Pilsbry. *Id.*, vol. xv., p.
101.
- 1896. *Lepidopleurus inquinatus*, Sykes. *Malac. Soc.*
Lond., vol. ii., No. 2, p. 86, pl. 6, f. 4.
- 1897. *Lepidopleurus inquinatus*, Bednall. *P. Malac. Soc.*
Lond., vol. ii., No. 4, p. 141.
- 1898. *Lepidopleurus inquinatus*, Suter. *Trans. N.Z.*
Inst., vol. xxxi., p. 60.

Hab.—Port Phillip; Port Phillip Heads (J. B. Wilson);
Ocean Beach, Phillip Island; Hobson's Bay (W. T. Bednall).

Obs.—Reeve's type originally came from Tasmania, and Mr.
Sykes when dealing with a collection of our Port Phillip Poly-
placophora mentions that he had the opportunity of handling
Reeve's specimens, and so had no doubt about the identification.
Bednall in his paper on the South Australian Polyplacophora
mentions a specimen which, by comparison with the types, proved
to be conspecific with Reeve's *C. inquinatus*, after having been
submitted to Mr. Pilsbry.

Family ISCHNOCHITONIDAE.

Genus **Callochiton**, Gray, 1847.

CALLOCHITON PLATESSA, Gould.

- 1846. *Chiton platessa*, Gould. *Proc. Bost. Soc., N.H.*,
vol. ii., p. 143.
- 1847. *Chiton crocinus*, Reeve. *Conch. Icon.*, vol. iv.,
pl. 22, f. 146.

- 1852. *Chiton versicolor*, A. Adams. P.Z.S. Lond., p. 92, pl. 16, f. 5.
- 1856. *Chiton platessa*, Gould. U.S. Explor. Exped., p. 320, atlas, pl. 431.
- 1862. *Lepidopleura platessa*, Gould. Otia Conch. (Rectifications), p. 242.
- 1867. *Leptochiton versicolor*, Angas. P.Z.S. Lond., p. 223.
- 1886. *Callochiton platessa*, Haddon. Chall. Zool., vol. xv., p. 15.
- 1892. *Callochiton platessa*, Pilsbry. Tryon Man. Conch., vol. xiv., pp. 49, 50, pl. 10, f. 1-5.
- 1892. *Callochiton crocinus*, Pilsbry. *Id.*, p. 50, pl. 10, f. 7.
- 1893. *Callochiton crocinus*, Pilsbry. *Id.*, vol. xv., p. 67.
- 1894. *Callochiton platessa*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 71.
- 1896. *Callochiton platessa*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 86.
- 1897. *Callochiton platessa*, Bednall. *Id.*, vol. ii., No. 4, p. 141.
- 1898. *Callochiton platessa*, Suter. Trans. N.Z. Inst., vol. xxxi., p. 60.

Hab.—Port Phillip Heads (J. B. Wilson).

Obs.—Mr. Sykes states that from his examination of the specimens in the British Museum, he can make no specific distinction between *C. platessa*, Gould, and *C. crocinus*, Reeve. This also was Pilsbry's first opinion, but subsequently he appears to regard *C. crocinus* as a good species. Some erroneous references have been made to the plate in Gould's Exploring Expedition, and, as Pilsbry notes, the plate is wrongly numbered in that work, it should be 431 and not 434.

Lepidopleurus empleurus, Hutton, is included in the synonymy by Mr. Sykes, but on the other hand Mr. Suter regards this as a good species on account of the presence of "a row of deep longitudinal pits in front of lateral areas," and as the types are accessible to him he should be best able to judge.

Genus *Ischnochiton*, Gray, 1847.

ISCHNOCHITON JULOIDES, Adams and Angas.

- 1864. *Stenochiton juloides*, Adams and Angas. P.Z.S. Lond., p. 193.
- 1865. *Stenochiton juloides*, Adams and Angas. *Id.*, p. 58, pl. 11, f. 15.
- 1865. *Stenochiton juloides*, Angas. *Id.*, p. 188.
- 1892. *Ischnochiton* (*Stenochiton*) *juloides*, Pilsbry. Tryon, Man. Conch., vol. xiv., p. 55, pl. 16, f. 6-8.
- 1896. *Ischnochiton* (*Stenochiton*) *juloides*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, pp. 86, 87.
- 1897. *Ischnochiton* (*Stenochiton*) *juloides*, Bednall. *Id.*, vol. ii., No. 4, p. 142, pl. xii., f. 1, *a, b, c, d*, also figured in text.

Hab.—Port Phillip Heads (J. B. Wilson).

ISCHNOCHITON CARIOSUS, Pilsbry.

- 1892. *Ischnochiton* (*Heterozona*) *cariosus*, Pilsbry. Tryon, Man. Conch., vol. xiv., p. 65, pl. 24, f. 20-23.
- 1893. *Ischnochiton* (*Heterozona*) *cariosus*, Pilsbry. *Id.*, vol. xv., p. 82, pl. 14, f. 8.
- 1896. *Ischnochiton* (*Heterozona*) *cariosus*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 87.
- 1897. *Ischnochiton* (*Heterozona*) *cariosus*, Bednall, *Id.*, vol. ii., No. 4, p. 143.

Hab.—Port Phillip Heads (J. B. Wilson); Flinders, Western Port; Port Fairy (W. T. Bednall).

Obs.—Mr. Bednall, in his paper on the South Australian Polyplacophora, appears to have overlooked Mr. Sykes' previous record of this species from Port Phillip Heads, but records it from Port Fairy, where he notes that the species "attains a large size."

ISCHNOCHITON CRISPUS, Reeve.

- 1847. *Chiton crispus*, Reeve. Conch. Icon., vol. iv., pl. 19, f. 120.

1892. *Ischnochiton crispus*, Pilsbry. Tryon, Man. Conch., vol. xiv., p. 89, pl. 24, f. 98, 99.
 1892. *Ischnochiton haddoni*, Pilsbry. *Id.*, p. 88, pl. 22, f. 67-73.
 1894. *Ischnochiton haddoni*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 71.
 1895. *Ischnochiton crispus*, Pilsbry. Nautilus, vol. viii., p. 129.
 1896. *Ischnochiton crispus*, Sykes. P. Malac. Soc., Lond., vol. ii., No. 2, p. 87.
 1897. *Ischnochiton crispus*, Bednall. *Id.*, vol. ii., No. 4, p. 145.

Hab.—Port Phillip Heads (J. B. Wilson); very common on the rocks at low tide in Port Phillip and Western Port generally; Port Fairy (W. T. Bednall).

Obs.—This is an extremely variable form, especially in colour markings, Mr. Sykes has proposed the varietal name of *decorata* for one of the extreme forms. This species has been confused by several authors with *Ischnochiton longicymba*, Blainville, from New Zealand, but it is quite distinct from that form. Mr. Bednall mentions some of the main points of difference between these two species in his paper above quoted.

ISCHNOCHITON TATEANUS, Bednall.

1896. *Ischnochiton tateanus*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 87.
 1897. *Ischnochiton tateanus*, Bednall. *Id.*, vol. ii., No. 4, pp. 147, 148, pl. 12, f. 3, *a, b, c, d*, also figured in text.

Hab.—Port Phillip Heads (J. B. Wilson).

ISCHNOCHITON CONTRACTUS, Reeve.

1847. *Chiton contractus*, Reeve. Conch. Icon., vol. iv., pl. 15, f. 78.
 1847. *Chiton pallidus*, Reeve. *Id.*, pl. 16, f. 92.
 1892. *Ischnochiton contractus*, Pilsbry. Tryon, Man. Conch., vol. xiv., p. 93, pl. 23, f. 81, 82.
 1892. *Ischnochiton pallidus*, Pilsbry. *Id.*, p. 89, pl. 23, f. 91.

1895. *Ischnochiton contractus*, Pilsbry. *Nautilus*, vol. viii., p. 129.
 1896. *Ischnochiton contractus*, Sykes. *P. Malac. Soc. Lond.*, vol. ii., No. 2, pp. 87, 88.
 1897. *Ischnochiton contractus*, Bednall. *Id.*, vol. ii., No. 4, pp. 145, 146.

Hab.—A nice series from Port Phillip Heads (J. B. Wilson); Port Fairy (W. T. Bednall); Western Port.

Obs.—Mr. Bednall mentions some difficulty in running *I. contractus* and *I. pallidus* together, but in view of Mr. Sykes' clear statement—"I have carefully compared the original tablets in the British Museum, and am unable to separate *I. contractus* and *I. pallidus*"—which was accepted by Mr. Pilsbry, there should be no doubt about the matter.

ISCHNOCHITON USTULATUS, Reeve.

1847. *Chiton ustulatus*, Reeve. *Conch. Icon.*, vol. iv., pl. 17, f. 102.
 1867. *Lepidopleurus ustulatus*, Angas. *P.Z.S. Lond.*, p. 222.
 1892. *Ischnochiton ustulatus*, Pilsbry. *Tryon, Man. Conch.*, vol. xiv., p. 96, pl. 24, f. 100, 1-4, 11, 12.
 1896. *Ischnochiton ustulatus*, Sykes. *P. Malac. Soc. Lond.*, vol. ii., No. 2, p. 88.
 1897. *Ischnochiton ustulatus*, Bednall. *Id.*, vol. ii., No. 4, p. 144.

Hab.—Port Phillip Heads (J. B. Wilson).

ISCHNOCHITON PURA, Sykes.

1896. *Ischnochiton (Haploplax) pura*, Sykes. *P. Malac. Soc. Lond.*, vol. ii., No. 2, p. 88, pl. 6, f. 3, 3a.

Hab.—Port Phillip Heads (J. B. Wilson).

ISCHNOCHITON WILSONI, Sykes.

1896. *Ischnochiton wilsoni*, Sykes. *P. Malac. Soc. Lond.*, vol. ii., No. 2, p. 89, pl. 6, f. 1, 1a.

Hab.—Port Phillip Heads (J. B. Wilson).

ISCHNICHITON PTYCHIUS, Pilsbry.

1895. *Ischnochiton ptychius*, Pilsbry. *Nautilus*, vol. viii., p. 53.

1897. *Ischnochiton ptychius*, Bednall. *P. Malac. Soc. Lond.*, vol. ii., No. 4, p. 147.

Hab.—Western Port.

ISCHNOCHITON VIRGATUS, Reeve.

1848. *Chiton virgatus*, Reeve. *Conch. Icon.*, vol. iv., pl. 28, f. 192.

1892. *Ischnochiton virgatus*, Pilsbry. *Tryon, Man. Conch.*, vol. xiv., p. 78, pl. 8, f. 72, 73.

1893. *Ischnochiton virgatus*, Pilsbry. *Id.*, vol. xv., p. 82.

1897. *Ischnochiton virgatus*, Bednall. *P. Malac. Soc. Lond.*, vol. ii., No. 4, pp. 148, 149.

Hab.—Ocean Beach, Phillip Island.

Obs.—Mr. Bednall gives full additional particulars of the colour characteristics and variations of this species.

ISCHNOCHITON AUSTRALIS, Sowerby.

1840. *Chiton australis*, Sowerby. *Mag. Nat. Hist.*, n.s., vol. iv., p. 290.

1841. *Chiton australis*, Sowerby. *Conch. Ill.*, p. 2, No. 19, pl. 139, f. 46.

1847. *Chiton australis*, Reeve. *Conch. Icon.*, pl. 2, f. 10.

1847. *Chiton metallicus*, Reeve. *Id.*, pl. 17, f. 104.

1859. *Chiton (Lophyrus) lugubris*, Gould. *P. Bost. Soc. Nat. Hist.*, vol. vii., p. 163.

1867. *Lophyrus australis*, Angas. *P.Z.S. Lond.*, p. 221.

1878. *Lepidoradsia australis*, Dall. *U.S. Nat. Mus.*, pp. 79, 113, 115, pl. 2, f. 19 (dentition).

1886. *Lepidoradsia australis*, Haddon. *Chall. Zool.*, vol. xv., p. 19 (*Polyplacophora*).

1892. *Ischnochiton (Ischnoradsia) australis*, Pilsbry. *Tryon, Man. Conch.*, vol. xiv., p. 144, pl. 18, f. 57, 59.

1893. *Ischnochiton (Ischnoradsia) australis*, Pilsbry. *Id.*, vol. xv., p. 87, pl. 17, f. 68, 69.

1894. *Ischnochiton* (*Ischnoradsia*) *australis*, Pilsbry.
P. Acad. Nat. Sci. Philad., p. 72.

1896. *Ischnochiton* (*Ischnoradsia*) *australis*, Sykes. P.
Malac. Soc. Lond., vol. ii., No. 2, pp. 89, 90.

Hab.—Common along the coast generally.

Obs.—Mr. Sykes confirms Mr. Pilsbry's inclusion of *C. metallicus*, Reeve, in the synonymy of the above on an examination of the types. Mr. Pilsbry also includes *C. evanidus*, Sowerby, as a synonym, but with regard to this we are not in a position to speak.

ISCHNOCHITON NOVAEHOLLANDIAE, Reeve.

1847. *Chiton novaehollandiae*, Reeve. Conch. Icon.,
sp. 142.

1892. *Ischnochiton* (*Ischnoradsia*) *novaehollandiae*,
Pilsbry. Tryon, Man. Conch., vol. xiv., p.
145, pl. 19, f. 67-69.

1897. *Ischnochiton* (*Ischnoradsia*) *novaehollandiae*,
Bednall. P. Malac. Soc. Lond., vol. ii., No.
4, p. 150.

Hab.—Wilson's Promontory.

Obs.—This is a good species, though it has frequently been unnecessarily confounded with the foregoing, and further references might rather tend to perpetuate the confusion than to clear the ground.

Family *MOPALIIDAE*.

Genus *Plaxiphora*, Gray, 1847.

PLAXIPHORA PETHOLATA, Sowerby.

1840. *Chiton petholatus*, Sowerby. Mag. Nat. Hist.,
n.s., vol. iv., p. 289.

1841. *Chiton petholatus*, Sowerby. Conch. Ill., f. 64,
65, and var. *porphyrius*, f. 59.

1847. *Chiton petholatus*, Reeve. Conch. Icon., pl. 14,
f. 74.

1892. *Plaxiphora petholata*, Pilsbry. Tryon, Man.
Conch., vol. xiv., p. 323, pl. 68, f. 62-67.

1894. *Plaxiphora petholata*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 74.
 1896. *Plaxiphora petholata*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 90.
 1897. *Plaxiphora petholata*, Bednall. *Id.*, vol. ii., No. 4, p. 154.

Hab.—A very common and large species on all rocky parts of our coast line.

Obs.—Mr. Sykes enters fully into considerable synonymy for this species, but we have not been in a position to follow many of his views, reference should therefore be made to his paper.

PLAXIPHORA CONSPERSA, Adams and Angas.

1864. *Chætopleura conspersa*, Adams and Angas. P.Z.S. Lond., p. 193.
 1892. *Plaxiphora petholata*, var. *conspersa*, Pilsbry. Tryon, Man. Conch., vol. xiv., p. 324.
 1897. *Plaxiphora conspersa*, Bednall. P. Malac. Soc. Lond., vol. ii., No. 4, p. 154.

Hab.—Under rocks Western Port; Airey's Inlet.

Obs.—Mr. Bednall draws attention to many points of value in distinguishing this species from the foregoing, and we agree with him in his treatment.

Family **ACANTHOCHITIDAE**.

Genus **Acanthochites**, Risso, 1826.

ACANTHOCHITES BEDNALLI, Pilsbry.

1894. *Acanthochites bednalli*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 81, pl. 2, f. 7-11.
 1896. *Acanthochites bednalli*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 91.
 1897. *Acanthochites bednalli*, Bednall. *Id.*, vol. ii., No. 4, p. 155.

Hab.—Port Phillip Heads (J. B. Wilson).

ACANTHOCHITES PILSBRYI, Sykes.

1896. *Acanthochites pilsbryi*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 91, pl. 6, f. 6, 6a.

Hab.—Port Phillip Heads (J. B. Wilson).

ACANTHOCHITES SPECIOSUS, H. Adams.

- 1861. *Cryptoplax* (*Notoplax*) *speciosus*, H. Adams.
P.Z.S. Lond., p. 385.
- 1892. *Acanthochites* (*Notoplax*) *speciosus*, Pilsbry,
Tryon, Man. Conch., vol. xiv., p. 32, pl. 1, f.
23-26.
- 1894. *Acanthochites* (*Notoplax*) *speciosus*, Pilsbry. P.
Acad. Nat. Sci. Philad., p. 83, pl. 4, f. 31,
33.
- 1896. *Acanthochites* (*Notoplax*) *speciosus*, Sykes. P.
Malac. Soc., Lond., vol. ii., No. 2, p. 91.
- 1897. *Acanthochites speciosus*, Bednall. *Id.*, vol. ii.,
No. 4, p. 156.

Hab.—Port Phillip Heads (J. B. Wilson); Portland.

Obs.—In T. Woods' Census of Tasmanian Shells, he gives *Cryptoplax spinosa*, H. Adams, apparently an erroneous quotation, as the reference given refers to *C. speciosa*. Messrs. Tate and May in their revised census refer on p. 445 to *Cryptoplax spinosa*, A. Adams, and put it down as a variety of *Cryptoplax striatus*.

ACANTHOCHITES MATTHEWSI, Bednall and Pilsbry.

- 1894. *Acanthochites* (*Notoplax*) *matthewsi*, Bednall and
Pilsbry. *Nautilus*, vol. vii., p. 120.
- 1894. *Acanthochites* (*Notoplax*?) *matthewsi*, Pilsbry.
P. Acad. Nat. Sci. Philad., p. 83, pl. 4, f.
27-30.
- 1896. *Acanthochites* (*Notoplax*) *matthewsi*, Sykes. P.
Malac. Soc. Lond., vol. ii., No. 2, p. 91.
- 1897. *Acanthochites* (*Notoplax*) *matthewsi*, Bednall.
Id., vol. ii., No. 4, p. 156.

Hab.—Port Phillip Heads (J. B. Wilson).

ACANTHOCHITES GLYPTUS, Sykes.

- 1896. *Acanthochites* (*Notoplax*) *glyptus*, Sykes. P.
Malac. Soc. Lond., vol. ii., No. 2, p. 92, pl. 6,
f. 5, 5a.

Hab.—Port Phillip Heads (J. B. Wilson).

ACANTHOCHITES WILSONI, Sykes.

1896. *Acanthochites* (*Notoplax*) *wilsoni*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 92, pl. 6, f. 2, 2a.

Hab.—Port Phillip Heads (J. B. Wilson).

ACANTHOCHITES ASBESTOIDES, E. A. Smith.

1884. *Chiton* (*Acanthochiton*) *asbestoides*, E. A. Smith. Alert Zool., p. 83, pl. 6, f. G.
1893. *Acanthochites asbestoides*, Pilsbry. Tryon, Man. Conch., vol. xv., p. 17, pl. 2, f. 55.
1894. *Acanthochites asbestoides*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 79, pl. 3, f. 16-20.
1897. *Acanthochites asbestoides*, Bednall. P. Malac. Soc. Lond., vol. ii., No. 4, p. 155.

Hab.—Mr. Bednall records this species from Hobson's Bay.

ACANTHOCHITES GRANOSTRIATUS, Pilsbry.

1894. *Acanthochites granostriatus*, Pilsbry. *Nautilus*, vol. vii., p. 119.
1894. *Acanthochites granostriatus*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 81, pl. 2, f. 1-6, and pl. 4, f. 37.
1897. *Acanthochites granostriatus*, Bednall. P. Malac. Soc. Lond., vol. ii., No. 4, pp. 155, 156.

Hab.—Black Rock, Sandringham, Port Phillip.

Note.—In addition to the above we have four species of the genus *Acanthochites* as yet unidentified.

Family CRYPTOPLACIDÆ.

Genus *Cryptoplax*, Blainville, 1818.

CRYPTOPLAX STRIATUS, Lamarck.

1819. *Chitonellus striatus*, Lamarck. Anim. S. Vert., vol. vi., p. 317.
1836. *Chitonellus striatus*, Lamarck. *Id.* (ed. Deshayes), vol. vii., p. 481.
1841. *Chitonellus striatus*, Sowerby. Conch. Ill., p. 7, No. 85, f. 62.

1842. *Chitonellus striatus*, Reeve. *Conch. Syst.*, vol. ii., pl. 135, f. 1.
1847. *Chitonellus striatus*, Reeve. *Conch. Icon.*, f. 4*a*, *b*.
1886. *Cryptoplax striatus*, Haddon. *Chall. Zool.*, vol. xv., Polyplacophora, p. 39, pl. 1, f. 9, and pl. 3, f. 9*a*-9*m*.
1893. *Cryptoplax striatus*, Pilsbry. Tryon, *Man. Conch.*, vol. xv., p. 53, pl. 9, f. 11-15, and pl. 11., f. 37-39.
1894. *Cryptoplax striatus*, Pilsbry. *P. Acad. Nat. Sci. Philad.*, p. 85.
1896. *Cryptoplax striatus*, Sykes. *P. Malac. Soc. Lond.*, vol. ii., No. 2, p. 93.
1901. *Cryptoplax striatus*, Pilsbry. *Id.*, vol. iv., No. 4, pp. 152, 153, 155, 157, pl. 15, f. 20-23.

Hab.—Port Phillip Heads (J. B. Wilson); Port Phillip and Western Port; very large specimens to be obtained at low tide from the rocks on the back beach, Williamstown.

Obs.—The morphology of this and allied species is very fully and lucidly dealt with by Dr. Pilsbry in his recent contribution to the Malacological Society of London, and our best thanks are due to him for having cleared up many of our difficulties in such a satisfactory manner. He regards *C. gunnii*, Reeve, as a distinct species; it has so frequently been lumped with *C. striatus* that this change may take some by surprise, but we can readily confirm the points made out, and have no difficulty whatever in separating the two forms. Dr. Pilsbry mentions "that *C. striatus* occurs as far south as Port Jackson, while *C. gunnii* replaces it in South Australian waters;" he also mentions Mr. Sykes' Victorian record of *C. striatus*, but because *C. gunnii* was included in the synonymy, he was naturally in doubt as to which form was meant. We can now definitely extend the range of *C. striatus*, Lam., to Port Phillip, and we are also in a position to assert that we have *C. gunnii*, Reeve, rather more commonly represented along our shores, while the South Australian representatives, according to Mr. Bednall, are the *C. gunnii* type alone.

CRYPTOPLAX GUNNII, Reeve.

1847. *Chitonellus gunnii*, Reeve. *Conch. Icon.*, pl. 1, f. 5.

1893. *Cryptoplax striatus*, var *gunnii*, Pilsbry. Tryon, Man. Conch., vol. xv., p. 54, pl. 8, f. 14.
 1897. *Cryptoplax striatus*, var *gunnii*, Bednall. P. Malac. Soc. Lond., vol. ii., No. 4, p. 157.
 1901. *Cryptoplax gunnii*, Pilsbry. *Id.*, vol. iv., No. 4, pp. 152, 153, and 156, 157, pl. 15, f. 17-19, and 24-26.

Hab.—Common in Port Phillip and Western Port.

Note.—We have one specimen of what appears to be a small but distinctive species of *Cryptoplax*, as yet undetermined.

Family CHITONIDAE.

Genus **Chiton**, Linnaeus, 1758.

CHITON BEDNALLI, Pilsbry.

1895. *Chiton bednalli*, Pilsbry. Nautilus, vol. ix., p. 90.
 1896. *Chiton bednalli*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 93.
 1897. *Chiton bednalli*, Bednall. *Id.*, vol. ii., No. 4, p. 153.

Hab.—Port Phillip Heads (J. B. Wilson).

CHITON LIMANS, Sykes.

1854. *Chiton muricatus*, A. Adams (non Tilesius). P.Z.S. Lond., p. 91, pl. 13, f. 6, 1852. [May, 1854].
 1865. *Lophyrus muricatus*, Angas. P.Z.S. Lond., p. 186.
 1867. *Lophyrus muricatus*, Angas. *Id.*, p. 222.
 1892. *Chiton muricatus*, Pilsbry (non Tilesius). Tryon, Man. Conch., vol. xiv., p. 175, pl. 37, f. 12, 13.
 1896. *Chiton limans*, Sykes. P. Malac. Soc. Lond., vol. ii., No. 2, p. 93.

Hab.—Port Phillip Heads (J. B. Wilson).

CHITON TRICOSTALIS, Pilsbry.

1894. *Chiton tricostalis*, Pilsbry. Nautilus, vol. viii., p. 54.

1897. *Chiton tricostalis*, Bednall. P. Malac. Soc. Lond.,
vol. ii., No. 4, p. 151.

Hab.—Port Fairy.

**CHITON JUGOSUS*, Gould.

1846. *Chiton jugosus*, Gould. P. Boston Soc. Nat.
Hist., vol. ii., p. 142.
1847. *Chiton concentricus*, Reeve. Conch. Icon., pl. 16,
No. 95.
1852. *Chiton jugosus*, Gould. Wilkes' Expl. Exped.,
Moll., vol. xii., p. 317, pl. 28, f. 430.
1862. *Lophyrus jugosus*, Gould. Otia Conch., pp. 3,
242.
1867. *Lophyrus concentricus*, Angas. P.Z.S. Lond., p.
221, No. 228.
1867. *Lophyrus jugosus*, Angas. *Id.*, p. 222, No. 231.
1884. *Chiton jugosus*, E. A. Smith. Alert Zool., p. 78.
1886. *Chiton jugosus*, Haddon. Chall. Zool., vol. xv.,
Polyplacophora, p. 22.
1892. *Chiton jugosus*, Pilsbry. Tryon, Man. Conch.,
vol. xiv., p. 178, pl. 36, f. 91-95.
1897. *Chiton jugosus*, Bednall. P. Malac. Soc. Lond.,
vol. ii., No. 4, p. 151.

Hab.—Port Fairy.

Genus *Lorica*, H. and A. Adams, 1852.

LORICA VOLVOX, Reeve.

1847. *Chiton volvox*, Reeve. Conch. Icon., sp. 31.
1847. *Chiton cimolius*, Reeve. *Id.*, sp. 141.
1852. *Lorica cimolia*, H. and A. Adams. A.M.N.H., 2
series, vol. ix., p. 355.
1867. *Lorica cimolia*, Angas. P.Z.S. Lond., p. 224.
1871. *Lorica cimolia*, Angas. *Id.*, p. 97.
1892. *Lorica volvox*, Pilsbry. Tryon, Man. Conch., vol.
xiv., p. 237, pl. 52, f. 14-21.
1897. *Lorica volvox*, Bednall. P. Malac. Soc. Lond.,
vol. ii., No. 4, p. 153.

Hab.—Back Beach, Williamstown.

Obs.—The specimens from the above locality are usually very large, of a uniform dark colour, and in excellent condition.

Genus *Loricella*, Pilsbry, 1894.

LORICELLA ANGASI, Adams and Angas.

- 1864. *Lorica angasi*, H. Adams and Angas. P.Z.S. Lond., p. 193.
- 1865. *Lorica angasi*, Angas. *Id.*, p. 187.
- 1871. *Lorica angasi*, Angas. *Id.*, p. 97.
- 1892. *Lorica (Loricella) angasi*, Pilsbry. Tryon, Man. Conch., vol. xiv., p. 238, pl. 51, f. 9-13.
- 1894. *Loricella angasi*, Pilsbry. P. Acad. Nat. Sci. Philad., p. 87.
- 1897. *Loricella angasi*, Bednall. P. Malac. Soc., Lond., vol. ii., No. 4, p. 153.

Hab.—Dredged off Rhyll in about six fathoms, Western Port.

Note.—In addition to those enumerated above, we have at least seven other chitons as yet unidentified.

Order OPISTHOBRANCHIATA.

Family ACTAEONIDAE.

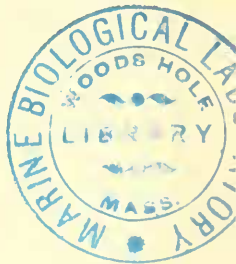
Genus *Actaeon*, Montfort, 1810.

ACTAEON AUSTRINUS, Watson.

- 1886. *Actaeon austrinus*, Watson. Chall. Zool., vol xv., p. 628, No. 6, pl. 47, f. 2.
- 1893. *Actaeon austrinus*, Pilsbry. Tryon, Man. Conch., vol. xv., p. 149, pl. 20, f. 24-26.

Hab.—Off East Moncoeur Island, Bass Straits, 38 to 40 fathoms, sand and shells.

Obs.—This is not a good species, and should go into the synonymy of *Turbonilla (Ondina) casta*, A. Adams. There is obviously some mistake in the Challenger references to the figures of this shell as figure 3 is given in the text, but this really represents *A. affinis*, Adams, and the reference should be to figure 2.



In addition to the above, we would also note that *Fossarus bulimoides*, T. Woods, P.R.S. Tas., 1877, p. 148, and Tate and May, P.L.S. N.S.W., 1901, pt. 3, p. 390, pl. 26, f. 66, is another synonym of *Turbonilla* (*Ondina*) *casta*, A. Adams.

Family TORNATINIDAE.

Genus *Tornatina*, A. Adams, 1850.

TORNATINA FUSIFORMIS, A. Adams.

1854. *Bulla* (*Tornatina*) *fusiformis*, A. Adams. *Thes. Conch.*, vol. ii., p. 570, pl. 121, f. 37.

1867. *Tornatina fusiformis*, Angas. *P.Z.S. Lond.*, p. 226.

1877. *Tornatina fusiformis*, Brazier. *P.L.S. N.S.W.*, vol. ii., p. 82.

1877. *Tornatina mariae*, T. Woods. *P.R.S. Tas.*, p. 155.

1893. *Tornatina fusiformis*, Pilsbry. *Tryon, Man. Conch.*, vol. xv., p. 194, pl. 22, f. 27.

1893. *Tornatina mariae*, Pilsbry. *Id.*, p. 198.

Hab.—Port Phillip, Sandringham, Sorrento, Portsea ; Western Port, Balnarring, Shoreham, Flinders.

TORNATINA BRENCHEYI, Angas.

1877. *Tornatina brencleyi*, Angas. *P.Z.S. Lond.*, pp. 40, 189, pl. 5, f. 20.

1893. *Tornatina brencleyi*, Pilsbry. *Tryon, Man. Conch.*, vol. xv., p. 202, pl. 22, f. 35, 36.

Hab.—Portsea, Port Phillip.

TORNATINA HOFMANI, Angas.

1877. *Tornatina hofmani*, Angas. *P.Z.S. Lond.*, pp. 39, 189, pl. 5, f. 19.

1893. *Tornatina hofmani*, Pilsbry. *Tryon, Man. Conch.*, vol. xv., p. 203, pl. 22, f. 37, 38.

Hab.—Western Port.

Genus *Retusa*, Brown, 1827.

RETUSA EUMICRA, Crosse and Fischer.

1865. *Bulla eumicra*, Crosse and Fischer. *Jour. d. Conch.*, p. 40, pl. 2, f. 7.

1865. *Utriculus eumicrus*, Angas. P.Z.S. Lond., p. 188.

1893. *Retusa eumicra*, Pilsbry. Tryon, Man. Conch.,
vol. xv., p. 227, pl. 23, f. 43, 44.

Hab.—Sorrento, Port Phillip; Shoreham, Western Port.

RETUSA APICULATA, Tate.

1879. *Utriculus apiculatus*, Tate. Trans. Phil. Soc.
Adelaide, p. 138, pl. 5, f. 3.

1893. *Retusa apiculata*, Pilsbry. Tryon, Man. Conch.,
vol. xv., p. 227, pl. 23, f. 45.

Hab.—Sorrento and Portsea, Port Phillip.

Genus *Volvulella*, Newton, 1891.

VOLVULELLA ROSTRATA, A. Adams.

1854. *Bulla rostrata*, A. Adams. Thes. Conch., vol. ii.,
p. 596, pl. 125, f. 154.

1893. *Volvula rostrata*, Pilsbry. Tryon, Man. Conch.,
vol. xv., p. 241, pl. 26, f. 60.

1901. *Volvulella rostrata*, Tate and May. P.L.S.
N.S.W., vol. xxvi., pt. 3, p. 416.

Hab.—San Remo, Western Port.

Family SCAPHANDRIDÆ.

Genus *Roxania*, Leach, 1847.

ROXANIA EXIGUA, A. Adams.

1854. *Bulla (Atys) exigua*, A. Adams. Thes. Conch.,
vol. ii., p. 589, pl. 125, f. 129.

1869. *Atys exigua*, Reeve. Conch. Icon., vol. xvii., pl.
4, f. 19.

1878. *Bulla (Atys) exigua*, A. Adams. P.Z.S. Lond.,
p. 869.

1893. *Atys exigua*, Pilsbry. Tryon, Man. Conch., vol.
xv., p. 270, pl. 28, f. 24.

Hab.—Dredged in Western Port, off Rhyll, Phillip Island;
Sorrento, Port Phillip.

Genus **Bullinella**, Newton, 1891.

BULLINELLA ARACHIS, Quoy and Gaimard.

- 1833. *Bulla arachis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. ii., p. 361, pl. 26, f. 28-30.
- 1854. *Bulla* (*Cylichna*) *arachis*, Adams. *Thes. Conch.*, vol. ii., p. 590, pl. 125, f. 133, 134.
- 1867. *Cylichna arachis*, Angas. *P.Z.S. Lond.*, p. 226, No. 255.
- 1884. *Cylichna arachis*, E. A. Smith. *Alert Zool.*, p. 86, No. 121.
- 1886. *Cylichna arachis*, Watson. *Chall. Zool.*, vol. xv., p. 662, No. 2.
- 1893. *Cylichna arachis*, Pilsbry. *Tryon, Man. Conch.*, vol. xv., p. 318, pl. 27, f. 92, 93.
- 1896. *Cylichna arachis*, Kobelt. *Conch. Cab.*, p. 37, pl. 7, f. 10, 11.

Hab.—Port Phillip generally and Western Port; in fine condition and of very large dimensions from Shelly Beach, near Shoreham.

BULLINELLA PYGMAEA, A. Adams.

- 1854. *Bulla* (*Cylichna*) *pygmaea*, A. Adams. *Thes. Conch.*, vol. ii., p. 595, pl. 125, f. 150.
- 1876. *Cylichna atkinsoni*, T. Woods. *P.R.S. Tas.*, p. 156.
- 1893. *Cylichna atkinsoni*, Pilsbry. *Tryon, Man. Conch.*, vol. xv., p. 318.
- 1893. *Cylichna pygmaea*, Pilsbry. *Id.*, p. 319, pl. 59, f. 9.
- 1896. *Cylichna pygmaea*, Kobelt. *Conch. Cab.*, p. 60, pl. 11, f. 14.

Hab.—Sorrento, Portsea and Clifton Springs, Port Phillip; Western Port.

Family **BULLIDAE**.

Genus **Bulla**, Linnaeus, 1758.

BULLA AUSTRALIS, Gray.

- 1825. *Bulla australis*, Gray. *Annals of Philosophy*, n.s., vol. ix., p. 408.

1827. *Bulla australis*, Gray. King's Survey of Australia, vol. ii., appendix, p. 490, No. 92.
1833. *Bulla australis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. ii., p. 357, pl. 26, f. 38, 39.
1836. *Bulla australis*, Lamarck. *Anim. S. Vert.* (2nd ed. Deshayes), vol. vii., p. 673.
1839. *Bulla australis*, Lamarck. *Id.* (3rd ed Deshayes and Edwards), vol. iii., p. 248, No. 12.
1843. *Bulla australis*, Gray. Dieffenbach's New Zealand, vol. ii., p. 243, No. 114.
1854. *Bulla oblonga*, A. Adams. *Thes. Conch.*, vol. ii., p. 577, No. 50, pl. 123, f. 74
1854. *Bulla australis*, A. Adams. *Id.*, p. 576, sp. 45, pl. 122, f. 64-66.
1854. *Bulla oblonga*, H. and A. Adams. *Genera*, vol. ii., p. 16.
1859. *Bulla australis*, Chenu. *Man. de Conch.*, pt. 1, p. 389, f. 2938.
1859. *Bulla oblonga*, Chenu. *Id.*, f. 2940.
1865. *Bulla australis*, Angas. *P.Z.S. Lond.*, p. 188.
1867. *Bulla oblonga*, Angas. *Id.*, p. 226.
1868. *Bulla oblonga*, Reeve. *Conch. Icon.*, pl. 3, sp. 9, f. *a, b, c.*
1873. *Bulla oblonga*, Hutton. *Cat. Moll. N.Z.*, p. 52.
1873. *Bulla australis*, von. Martens. *Critical List of N.Z. Moll.*, p. 38.
1877. *Bulla oblonga*, T. Woods. *P.R.S. Tas.*, p. 47.
1880. *Bulla oblonga*, Hutton. *Man. N.Z. Moll.*, p. 121.
1885. *Bulla australis*, Brazier. *P.L.S. N.S.W.*, vol. x., pt. 1, pp. 89-92.
1886. *Bulla australis*, Watson. *Chall. Zool.*, vol. xv., p. 638, No. 2.
1893. *Bulla australis*, Pilsbry. Tryon, *Man. Conch.*, vol. xv., p. 346, pl. 35, f. 12, 13, 14, and 17, 18.
1896. *Bulla australis*, Kobelt. *Conch. Cab.*, p. 74, pl. 8, f. 1, 2.

Hab.—Extremely abundant in Corio Bay and Outer Geelong Harbour to Portarlington, also Werribee to Altona Bay. Less

abundant on the eastern shores of Port Phillip; Western Port; common near Whitehaven, Phillip Island; Kilcunda and Anderson's Inlet (W. H. Ferguson).

Obs.—Mr. Brazier, in his paper on four of Dr. Gray's species above quoted, deals very fully with this species, pointing out many of the erroneous figures and localities given by various authors. Mr. Watson in his Challenger report includes *Bulla quoyi*, A. Adams, as a synonym of the above, but with this we cannot agree, for our own examination of New Zealand examples of that species, received from and identified by Mr. H. Suter, lead us to conclude that it is a good species.

In the Manual of Conchology there appears to be some confusion in the treatment of this species, for although all the figures on plate 35 are given as *Bulla australis* in the reference to the plate, yet we note that figures 15, 16, 19, 20 are referred to in the text as *Bulla adamsi*, Menke. We are more inclined to agree with the latter reading.

Family AKERIDAE.

Genus *Haminea*, Leach, 1847.

HAMINEA BREVIS, Quoy and Gaimard.

- 1833. *Bulla brevis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. ii., p. 358, pl. 26, f. 36, 37.
- 1839. *Bulla brevis*, Lamarck. *Anim. S. Vert.* (3rd ed. Deshayes and Edwards), vol. iii., p. 249, No. 19.
- 1843. *Bulla* (*Scaphander*) *ovoidea*, Menke (non Quoy and Gaimard). *Moll. Nov. Holl.*, p. 6, No. 7.
- 1854. *Bulla brevis*, Adams. *Thes. Conch.*, vol. ii., p. 581, pl. 124, f. 93.
- 1868. *Haminea brevis*, Reeve. *Conch. Icon.*, vol. xvi., pl. 3, f. 15*a*, *b*.
- 1865. *Haminea brevis*, Angas. *P.Z.S. Lond.*, p. 188.
- 1867. *Haminea brevis*, Angas. *Id.*, p. 227, No. 261.
- 1893. *Haminea brevis*, Pilsbry. *Tryon, Man. Conch.*, vol. xv., p. 373, pl. 40, f. 9, 10, 96.
- 1896. *Haminea brevis*, Kobelt. *Conch. Cab.*, p. 114, pl. 16, f. 14, 15.

Hab.—Common in Port Phillip and Western Port. Dredged off Frankston, 2 to 3 fathoms, sand.

HAMINEA CUTICULIFERA, Smith.

- 1872. *Haminea cuticulifera*, E. A. Smith. A.M.N.H., ser. 4, vol. ix., p. 350.
- 1884. *Haminea cuticulifera*, E. A. Smith. Alert Zool., p. 87, pl. 6, f. H.
- 1877. *Haminea cuticulifera*, Angas. P.Z.S. Lond., p. 189.
- 1886. *Cylichna cuticulifera*, Watson. Chall. Zool., vol. xv., p. 663.
- 1893. *Haminea cuticulifera*, Pilsbry. Tryon, Man. Conch., vol. xv., p. 372, pl. 41, f. 13.
- 1896. *Haminea cuticulifera*, Kobelt. Conch. Cab., p. 117, No. 33, pl. 16, f. 22.

Hab.—Sorrento and Portsea, Port Phillip.

HAMINEA TENERA, A. Adams.

- 1850. *Bulla (Haminea) tenera*, A. Adams. Thes. Conch., vol. ii., p. 583, pl. 124, f. 103.
- 1868. *Haminea tenera*, Reeve. Conch. Icon., vol. xvi., pl. 1, f. 3.
- 1893. *Haminea tenera*, Pilsbry. Tryon, Man. Conch., vol. xv., p. 371, pl. 40, f. 82.
- 1896. *Haminea tenera*, Kobelt. Conch. Cab., p. 116, No. 30, pl. 16, f. 19.

Hab.—Common in Port Phillip and Western Port.

Obs.—This shell has been very commonly known as *H. cymbalum*, Quoy and Gaimard, but on looking up that species, though there is some resemblance to our form, it is quite distinct.

Genus *Cylindrobulla*, Fischer, 1856.

CYLINDROBULLA FISCHERI, Adams and Angas.

- 1864. *Cylindrobulla fischeri*, Adams and Angas. P.Z.S. Lond., p. 37.
- 1865. *Cylindrobulla fischeri*, Angas. P.Z.S. Lond., p. 189.
- 1871. *Cylindrobulla fischeri*, Angas. P.Z.S. Lond., p. 98.

1893. *Cylindrobulla fischeri*, Pilsbry. Tryon, Man. Conch., vol. xv, p. 381.

Hab.—Port Phillip Heads.

Genus **Lobiger**, Krohn, 1847.

LOBIGER WILSONI, Tate.

1889. *Lobiger wilsoni*, Tate. T.R.S. S.A., vol. xi, p. 66, pl. 11, f. 12.

Hab.—Lower end of South Channel, Port Phillip, 7-16 fathoms (J. B. Wilson).

Family **RINGICULIDAE**.

Genus **Ringicula**, Deshayes, 1838.

RINGICULA AUSTRALIS, Hinds.

1844. *Ringicula australis*, Hinds. P.Z.S. Lond., p. 97.
1865. *Ringicula australis*, Crosse and Fischer. Jour. d. Conch., p. 44, pl. 2, f. 5.
1893. *Ringicula australis*, Pilsbry. Tryon, Man. Conch., vol. xv., p. 410, pl. 47, f. 80, 81.
1878. *Ringicula australis*, Morlet. Jour. d. Conch., p. 125, pl. 5, f. 10.
1878. *Ringicula angasi*, Brazier. P.L.S. N.S.W., vol. ii., p. 78.

Hab.—Western Port.

Family **PHILINIDAE**.

Genus **Philine**, Ascanius, 1772.

PHILINE ANGASI, Crosse.

1865. *Bullaea angasi*, Crosse. Jour. d. Conch., p. 38, pl. 2, f. 8.
1865. *Philine angasi*, Angas. P.Z.S. Lond., p. 189, No. 222.
1867. *Philine angasi*, Angas. *Id.*, p. 227, No. 263.
1878. *Philine angasi*, Brazier. Chevert Exped. P.L.S. N.S.W., vol. ii., p. 88, No. 54.

1870. *Philine angasii*, Reeve. *Conch. Icon.*, vol. xviii.,
pl. 1, fig. 4.
1886. *Philine angasi*, Watson. *Chall. Zool.*, vol. xv.,
p. 671, No. 1.
1896. *Philine angasi*, Kobelt. *Conch. Cab.*, p. 152, No.
21, pl. 19, f. 21.

Hab.—Port Phillip (common); Western Port; Polwarth Coast.

Obs.—We do not regard this species as synonymous with *P. aperta*, Lin., and though the shells of these two species are frequently very much alike, yet there are points which serve for distinction even with such a relatively characterless form.

Family APLYSIIDAE.

Genus *Aplysia*, Linnaeus, 1767.

APLYSIA CONCAVA, Sowerby.

1822. *Aplysia concava*, Sowerby. *Genera*, vol. ii., 6th
pl., f. 3, No. 39.
1869. *Aplysia concava*, Reeve. *Conch. Icon.*, vol. xvii.,
pl. 6, f. 24 *a*, *b*.
1898. *Aplysia concava*, Küster. *Conch. Cab.*, p. 18, No.
37, pl. 7, f. 12, 13.

Hab.—Western Port.

APLYSIA TIGRINA, Rang.

- Aplysia tigrina*, Rang. *Hist. Nat. Apl.*, p. 57,
pl. 11.
1869. *Aplysia tigrina*, Reeve. *Conch. Icon.*, vol. xvii.,
pl. 2, f. 5 *a*, *b*.
1898. *Aplysia tigrina*, Küster. *Conch. Cab.*, p. 8, pl. 4,
f. 1, 2.

Hab.—Portland (Maplestone).

Family PLEUROBRANCHIDAE.

Genus *Pleurobranchus*, Cuvier, 1805.

PLEUROBRANCHUS ANGASI, E. A. Smith.

1884. *Pleurobranchus angasi*, E. A. Smith. *Alert*
Zool., p. 88, pl. 6, f. KK¹.

Hab.—Port Phillip.

PLEUROBRANCHUS MACULATUS, Quoy.

1832. *Pleurobranchidium maculatum*, Quoy. *Astrolabe Zool.*, vol. ii., p. 301, pl. 22, f. 11-14.

Hab.—Victoria (Prof. R. Tate).

Family UMBRELLIDAE.

Genus *Umbrella*, Lamarck, 1812.

UMBRELLA CORTICALIS, Tate.

1889. *Umbrella corticalis*, Tate. *T.R.S. S.A.*, vol. xi., pp. 65, 66, pl. 11, f. 11.

Hab.—Port Phillip Heads.

Family SIPHONARIIDAE.

Genus *Siphonaria*, Sowerby, 1824.

SIPHONARIA DIEMENENSIS, Quoy and Gaimard.

1833. *Siphonaria diemenensis*, Quoy and Gaimard. *Astrolabe Zool.*, vol. ii., p. 327, pl. 25, f. 1-12.

1833. *Siphonaria denticulata*, Quoy and Gaimard. *Id.*, p. 340, pl. 25, f. 19, 20.

1856. *Siphonaria diemenensis*, Reeve. *Conch. Icon.*, vol. ix., pl. 1, f. 1.

1856. *Siphonaria scabra*, Reeve. *Id.*, pl. 1, f. 2.

1856. *Siphonaria denticulata*, Reeve. *Id.*, pl. 1, f. 4.

1877. *Siphonaria diemenensis*, T. Woods. *P.R.S. Tas.*, pp. 56-58.

1877. *Siphonaria denticulata*, T. Woods. *Id.*, pp. 54-56.

1878. *Siphonaria diemenensis*, T. Woods. *Id.*, p. 46.

1878. *Siphonaria denticulata*, T. Woods. *Id.*, p. 47.

1901. *Siphonaria diemenensis*, Tate and May. *P.L.S. N.S.W.*, vol. xxvi., pt. 3, p. 418.

Hab.—Very common at and above high tide mark along all rocky portions of our coast.

SIPHONARIA FUNICULATA, Reeve.

1856. *Siphonaria funiculata*, Reeve. *Conch. Icon.*, vol. ix., pl. 2, f. 6.

1867. *Siphonaria funiculata*, Angas. P.Z.S. Lond., p. 232, No. 313.
 1877. *Siphonaria funiculata*, T. Woods. P.R.S. Tas., p. 58.
 1901. *Siphonaria funiculata*, Tate and May. P.L.S. N.S.W., vol. xxvi., pt. 3, p. 419.

Hab.—Usually an associate of the foregoing species, but much less common. Hobson's Bay (Nat. Mus.).

SIPHONARIA BACONI, Reeve.

1856. *Siphonaria baconi*, Reeve. Conch. Icon., vol. ix., pl. 6, f. 30.
 1878. *Siphonaria albida*, Angas. P.Z.S. Lond., p. 314, pl. 18, f. 14, 15.
 1893. *Siphonaria albida*, Adcock. Hand List Aquat. Moll. S.A., p. 11, No. 456.
 1901. *Siphonaria albida*, Tate and May. P.L.S. N.S.W., vol. xxvi., pt. 3, p. 419.

Hab.—Back Beach, Sorrento, to Cape Schanck; Western Port; Point Addis; Airey's Inlet; Anderson's Inlet (W. H. Ferguson).

SIPHONARIA ZONATA, T. Woods.

1877. *Siphonaria denticulata*, var. *tasmanica*, T. Woods. P.R.S. Tas., p. 54.
 1878. *Siphonaria zonata*, T. Woods. P.R.S. Tas., p. 99.
 1878. *Siphonaria zonata*, T. Woods. *Id.*, p. 47 (name only).
 1901. *Siphonaria tristensis*, Tate and May (non Sowerby). P.L.S. N.S.W., vol. xxvi., pt. 3, p. 419.

Hab.—Port Phillip; Corio Bay; Western Port; Anderson's Inlet and Kileunda (W. H. Ferguson); Back Beach, Sorrento; Spring Creek to Cape Otway.

Obs.—The type of this species is in the National Museum, Melbourne.

Mr. May has informed one of us that the inclusion of this species in the Tasmanian Census was a mistake and refers to *S. zonata*, T. Woods.

Family GADINIIDAE.

Genus *Gadinia*, Gray, 1824.

GADINIA ANGASI, Dall.

1867. *Gadinia conica*, Angas. P.Z.S. Lond., pp. 115 and 220, pl. 13, f. 27.

1870. *Gadinia angasi*, Dall. Amer. Jour. Conch., vol. vi., p. 11.

Hab.—Portsea, Port Phillip; Western Port.

Class SCAPHOPODA.

Family DENTALIIDAE.

Genus *Dentalium*, Linnaeus, 1758.

DENTALIUM LUBRICATUM, Sowerby.

1860. *Dentalium lubricatum*, Sowerby. Thes. Conch., vol. iii., p. 97, No. 3, pl. 3, f. 56.

1872. *Dentalium lubricatum*, Reeve. Conch. Icon., vol. xviii., pl. 7, f. 55.

1896. *Dentalium lubricatum*, Lesson. Conch. Cab. (ed. Küster), p. 14, No. 22, pl. 4, f. 3.

Hab.—Cowes, Phillip Island, Western Port (T. S. Hall).

Obs.—We have to thank Mr. C. Hedley for the identification of this species.

Genus *Cadulus*, Phillipi, 1841.

CADULUS ACUMINATUS, Tate.

1871. *Cadulus acuminatus* (Deshayes, MS.), Angas. P.Z.S. Lond., p. 97.

1878. *Cadulus acuminatus*, Angas. *Id.*, p. 868.

1887. *Cadulus acuminatus*, Tate. T.R.S. S.A., vol. ix., p. 194, pl. 20, f. 10.

1890. *Cadulus acuminatus* (Deshayes), Whitelegge. P.R.S. N.S.W., p. 117 in reprint.

1893. *Cadulus acuminatus* (Deshayes), Adcock. Hand List Aquat. Moll. S.A., p. 10.

1898. *Cadulus acuminatus*, Pilsbry and Sharp. Tryon, Man. Conch., vol. xvii., p. 183, pl. 32, f. 47-49.

1899. *Cadulus acuminatus*, Tate. T.R.S. S.A., vol. xxiii., p. 266, pl. 8, f. 11.
1901. *Cadulus petterdi* (Brazier), Lodder. List of Tas. Shells, etc., P.R.S. Tas., p. 15 in reprint.
1901. *Cadulus acuminatus*, Tate and May. P.L.S. N.S.W., vol. xxvi., pt. 3, p. 420.

Hab.—Western Port ; Port Albert (T. Worcester).

Obs.—This species has been distributed amongst collectors under the name of *C. petterdi*, Brazier, and *C. petterdi*, T. Woods, but neither of these gentlemen figured or described such a species. There has also been some confusion as to the author of the species, many referring to Deshayes, but this fog is apparently cleared up by Professor Tate's remarks in his 1899 paper, where he states :—" I borrowed the name after Deshayes, who, on the authority of Angas, had so attached his MS. name to New South Wales specimens in the British Museum, and Angas so listed the species for South Australia on the testimony of examples forwarded by me."
